HIGH-FREQUENCY WELDING METHOD OF THERMOPLASTIC RESIN

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Abstract

PURPOSE:To prevent a welded part from peeling off, by making use of a metal which is coated with adhesive substance as a heating source, in a high-frequency welding method of thermoplastic resin. CONSTITUTION:A metal coated with adhesive resin and an adhesive agent is interposed between welded surfaces of high-frequency weldable thermoplastic resin, for example, high density polyethylene, low density polyethylene, polypropylene, polystyrene, polyvinyl chloride, polyamide, ethylene vinyl acetate copolymer, polyethylene terephthalate, ABS resin and AS resin, the above-mentioned welded surfaces made of the thermoplastic resin are touched each other by pressure to which high-frequency is applied, and welding is done by making the above-mentioned metal heat. The thermoplastic resin and adhesive substance and the adhesive substance and the metal are sticked firmly each other respectively after welding through the high-frequency like this, through which a peeling off phenomenon is solved.